

ABSTRACT

A plant for the drying and treatment of a pourable mineral material. The plant includes a combustion apparatus, introducing smoke gases into a rotary-driven rotary drum for cocurrently with the pourable mineral material. The rotary drum is inclined in the conveying direction, has installed fittings on the inner circumference and is connected sealingly at its outlet end to a shaft. The installed fittings in a front introduction region of the drum are transport blades. The shaft is put under a vacuum by means of a fan and is set up to take over the material and gas stream emerging from the rotary drum. A Venturi fitting is arranged coaxially in the rotary drum, upstream of the outlet, and a bypass for conveying air is arranged in the drum casing in the introduction region.